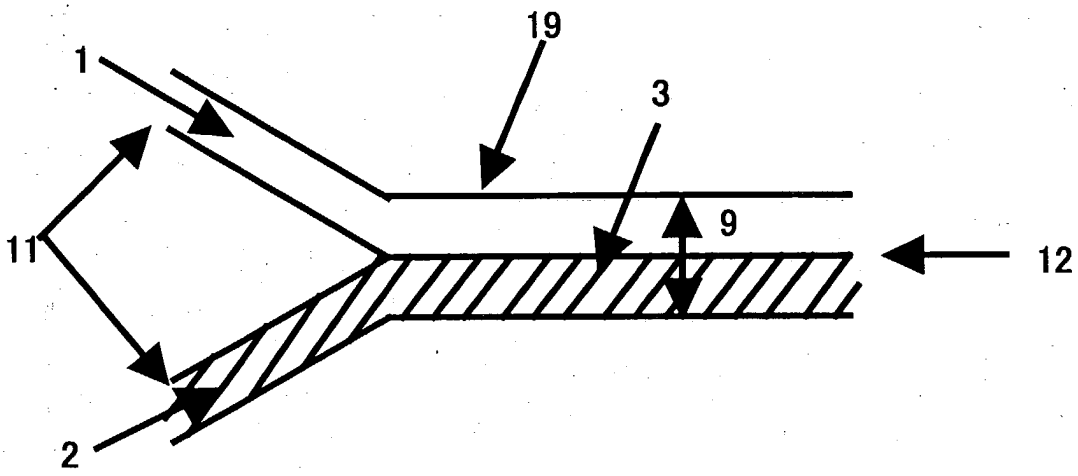

Fig. 1

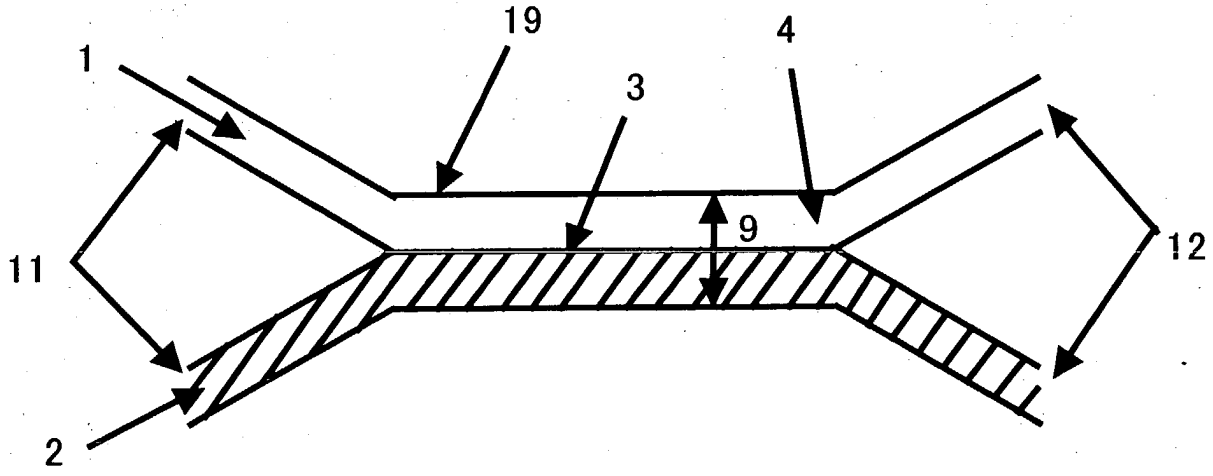

Fig. 2

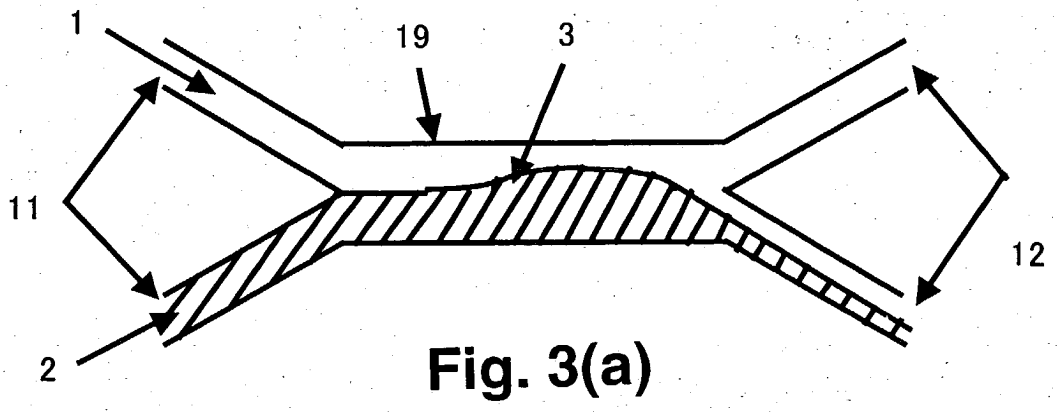

Fig. 3(a)

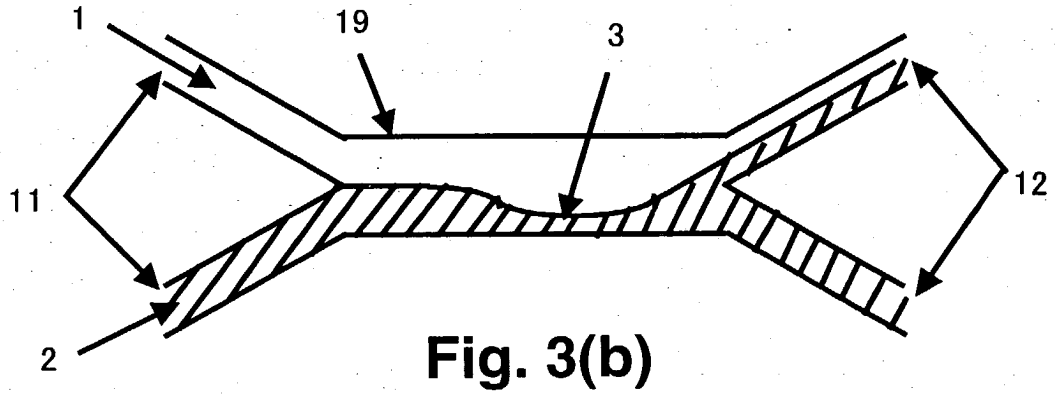

Fig. 3(b)

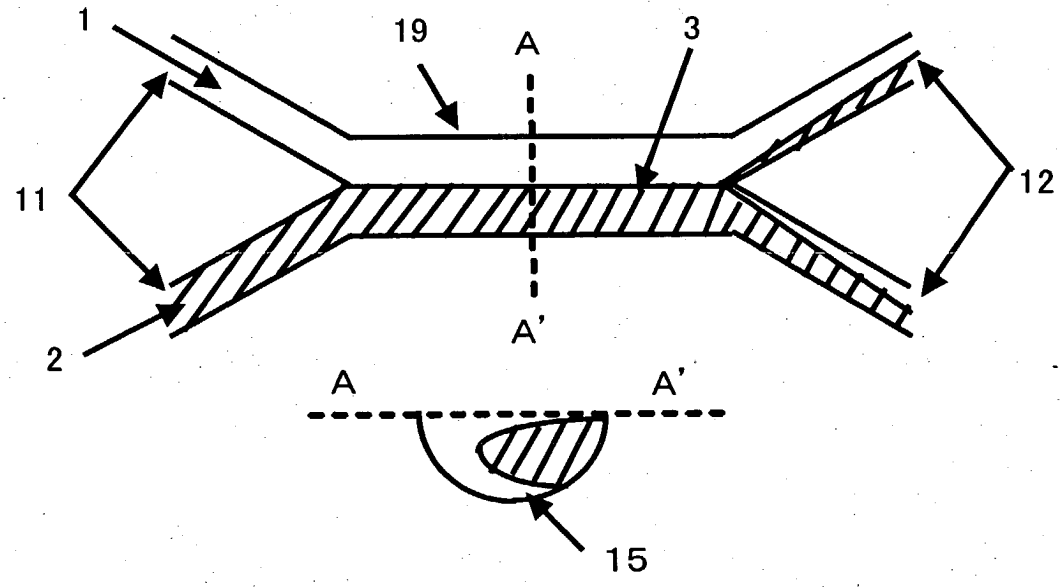

Fig. 3(c)

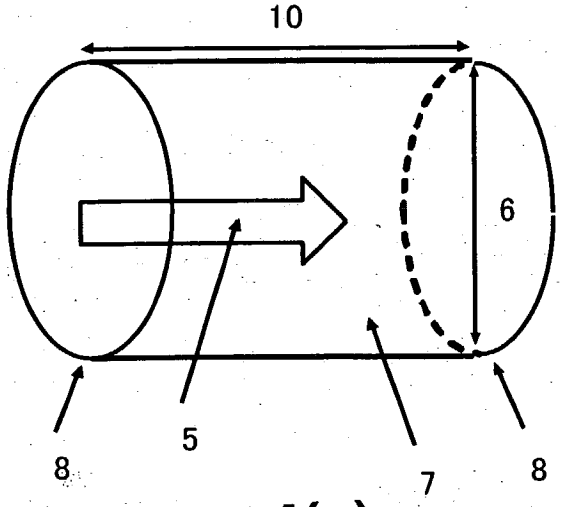

Fig. 4(a)

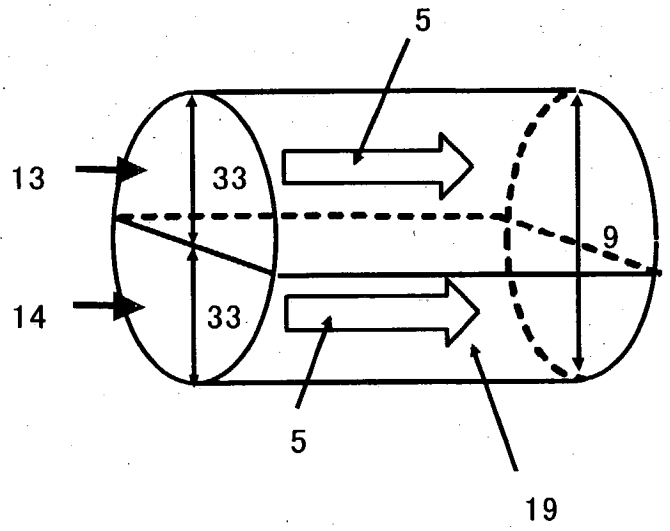

Fig. 4(b)

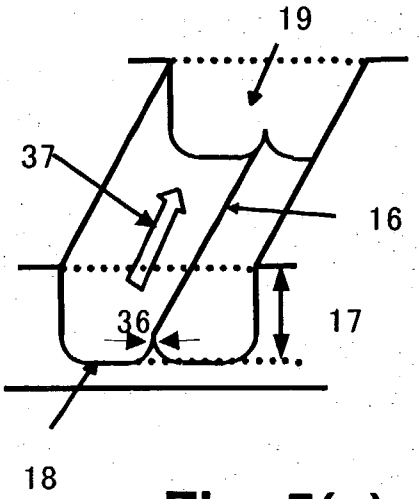
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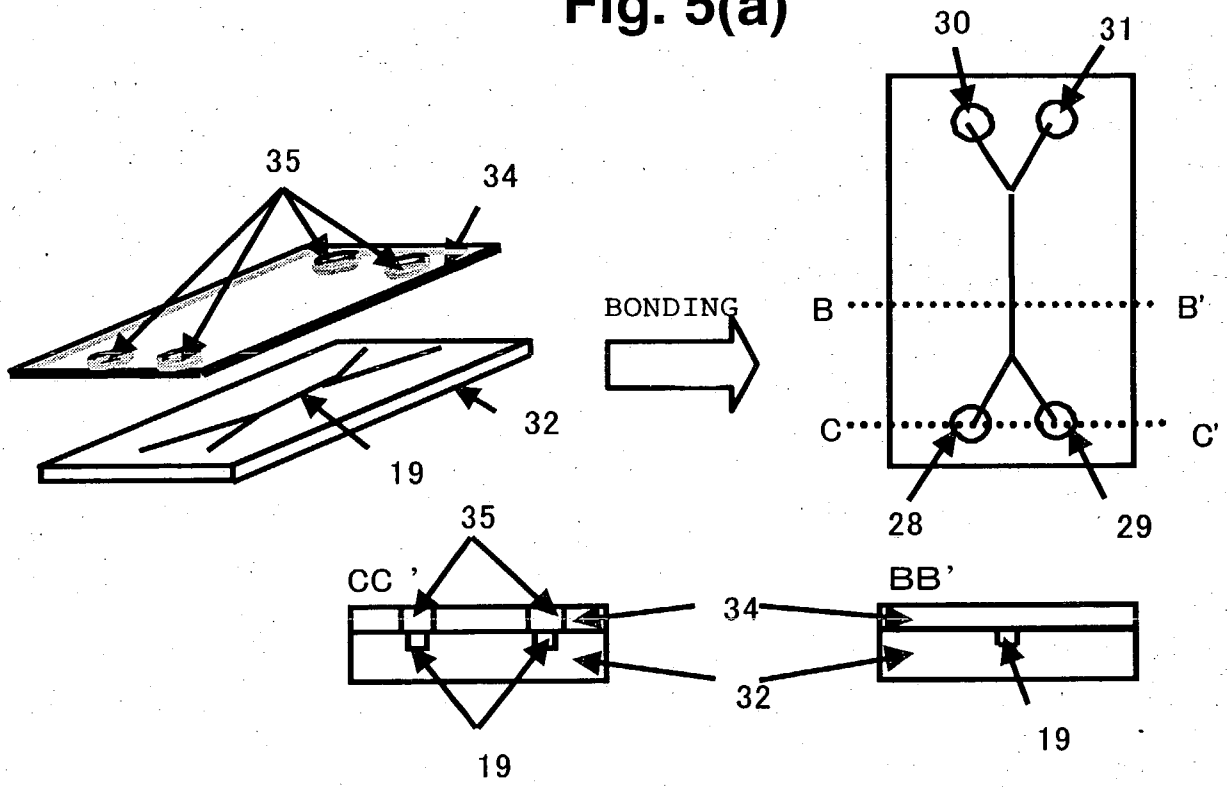
Fig. 5(a)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BONDING
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B'
C
C'
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CC '
BB'
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19

Fig. 5(b)

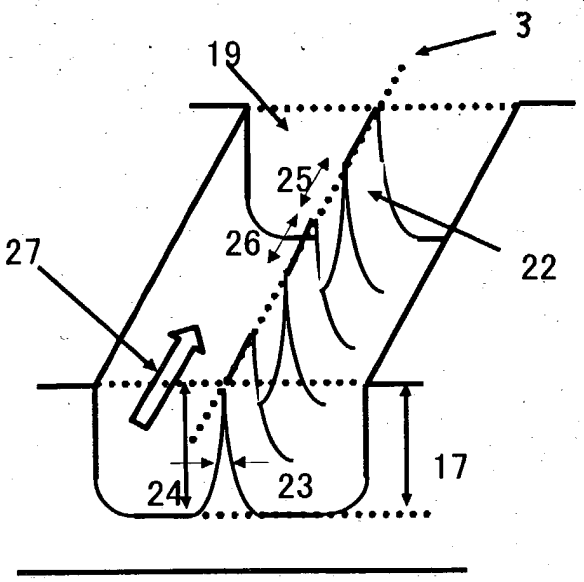
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Fig. 6(a)

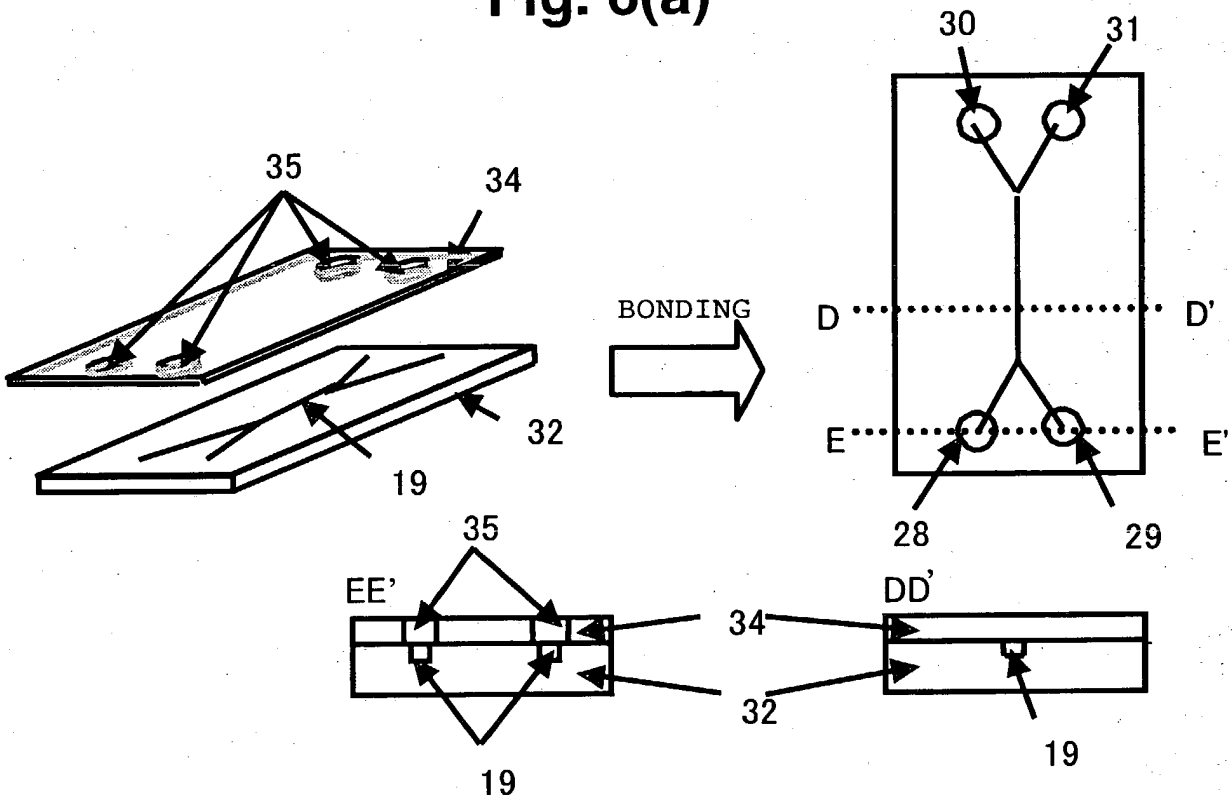

30
31
35
34
BONDING
D
D'
E
E'
32
19
28
29
35
EE'
DD'
34
32
19
19

Fig. 6(b)

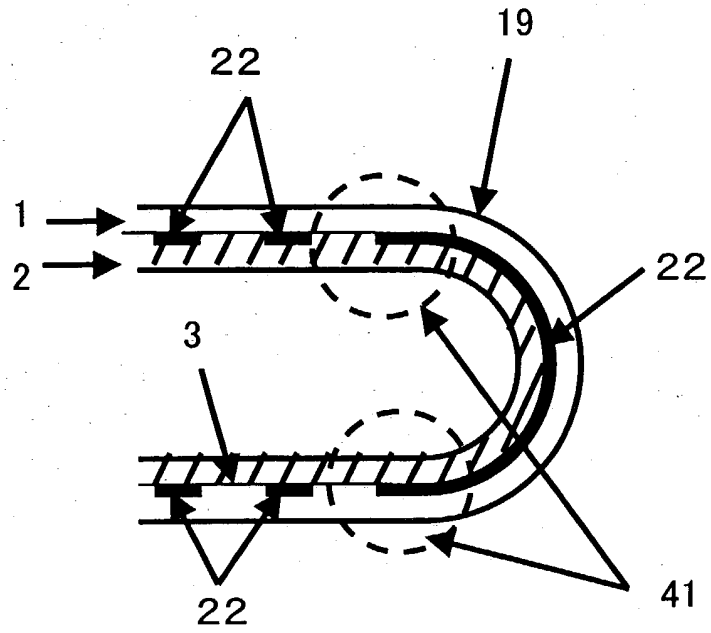


Fig. 7

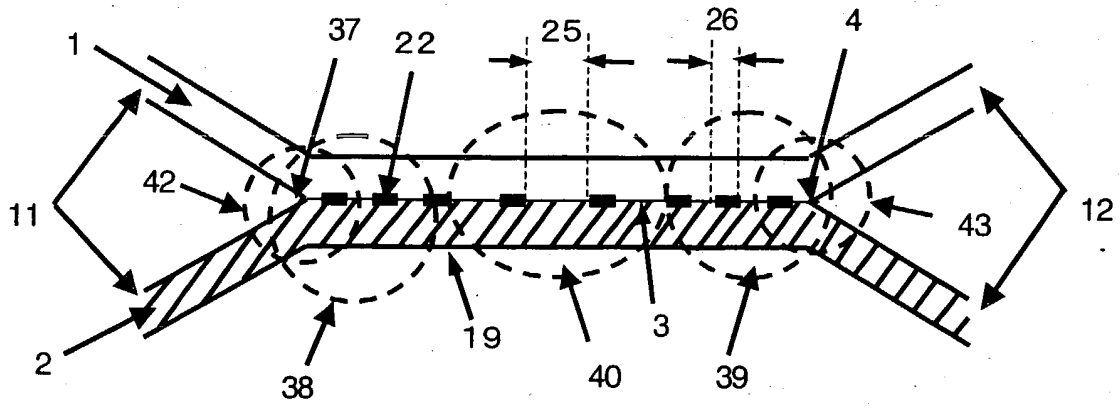


Fig. 8(a)

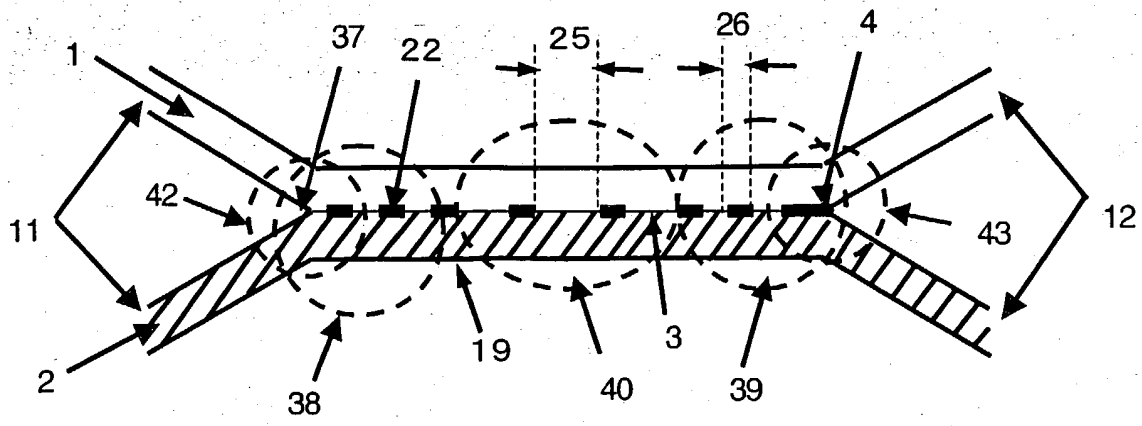


Fig. 8(b)

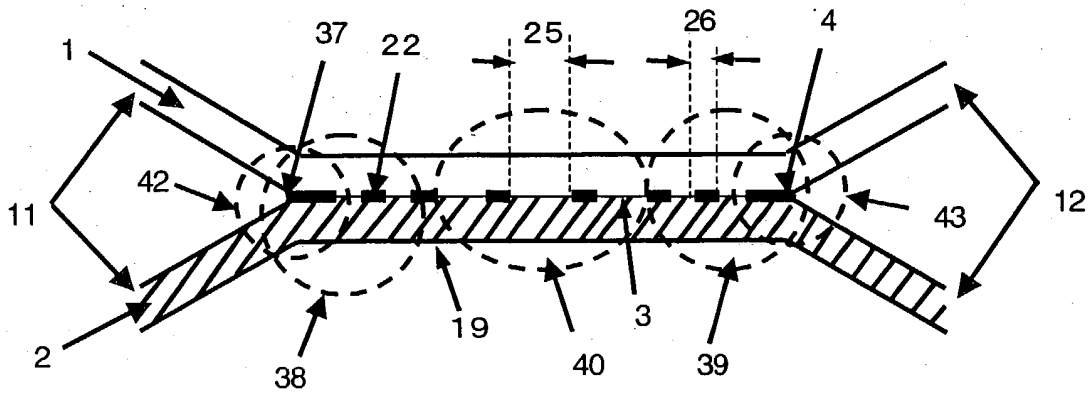


Fig. 8(c)

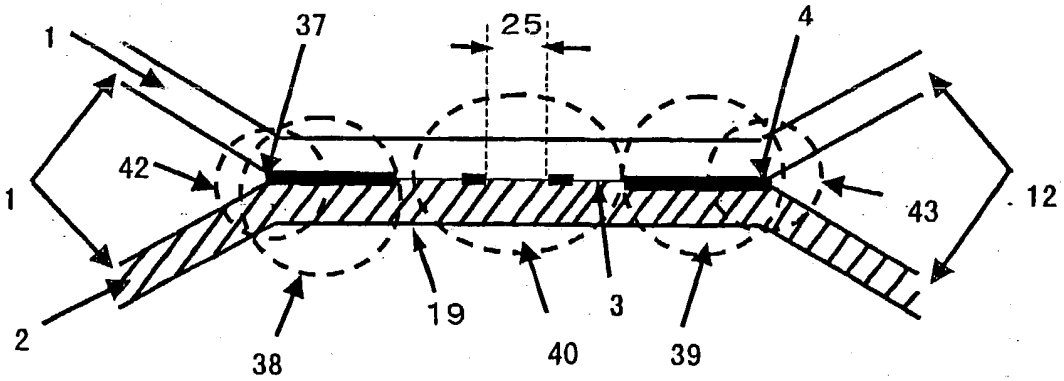


Fig. 8(d)

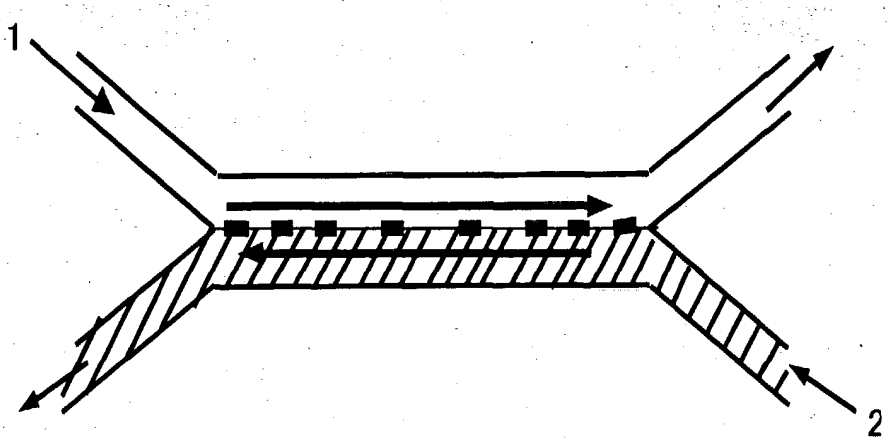


Fig. 9

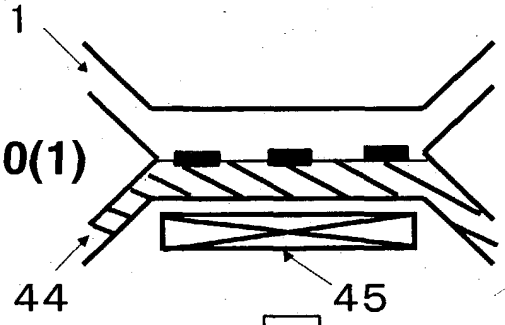


Fig. 10(1)

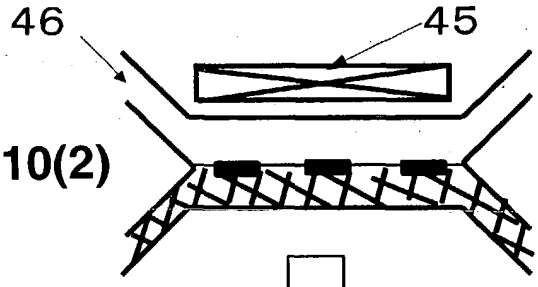


Fig. 10(2)

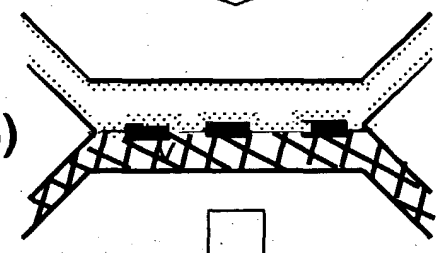


Fig. 10(3)

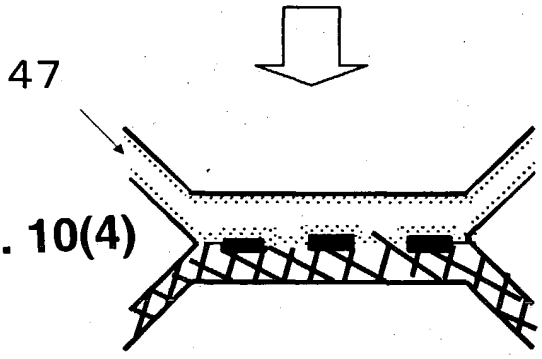


Fig. 10(4)

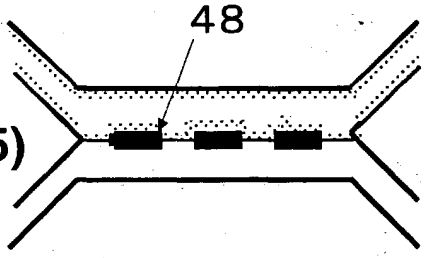
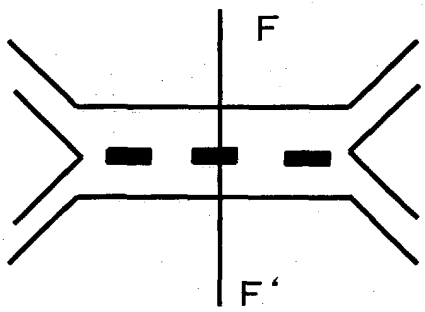


Fig. 10(5)



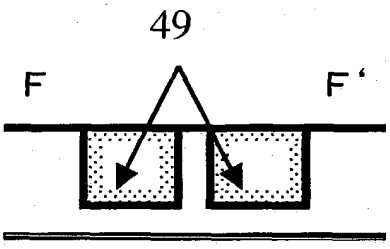


Fig. 11(a)

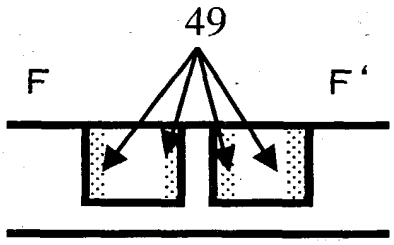


Fig. 11(b)

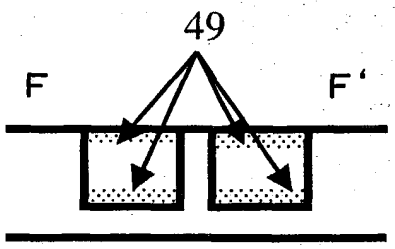


Fig. 11(c)

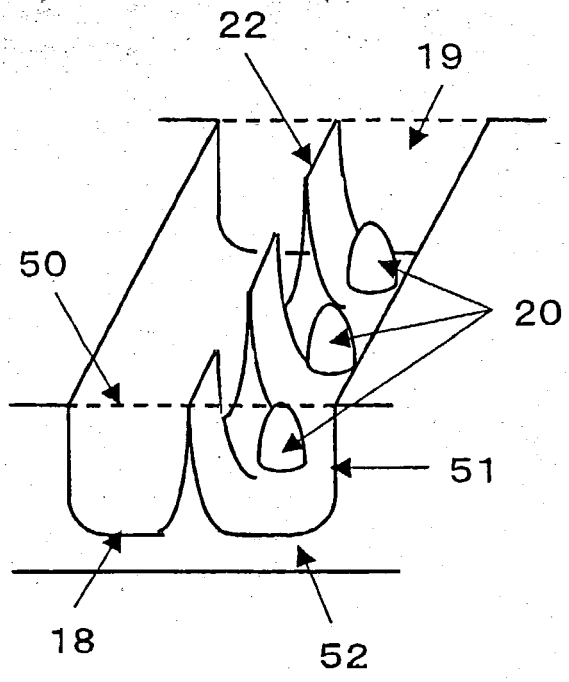


Fig. 12(a)

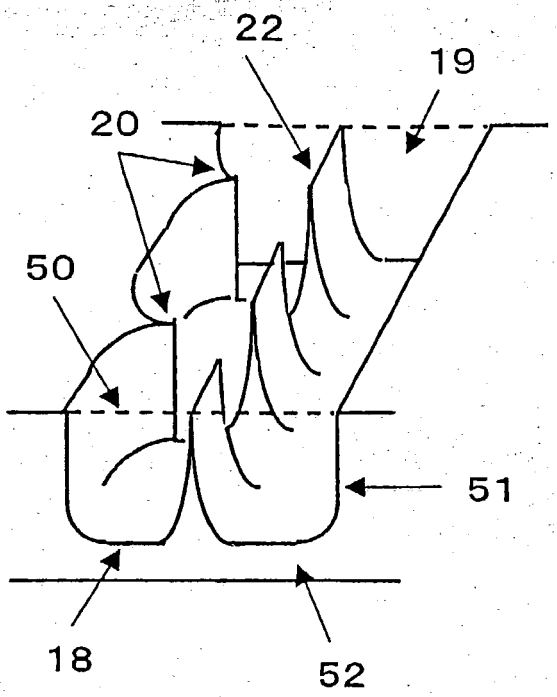


Fig. 12(b)

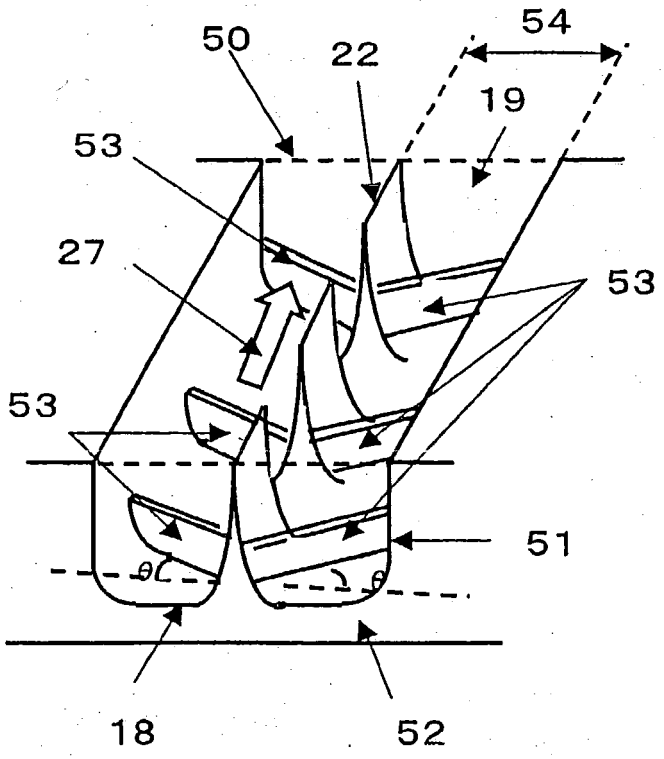


Fig. 12(c)

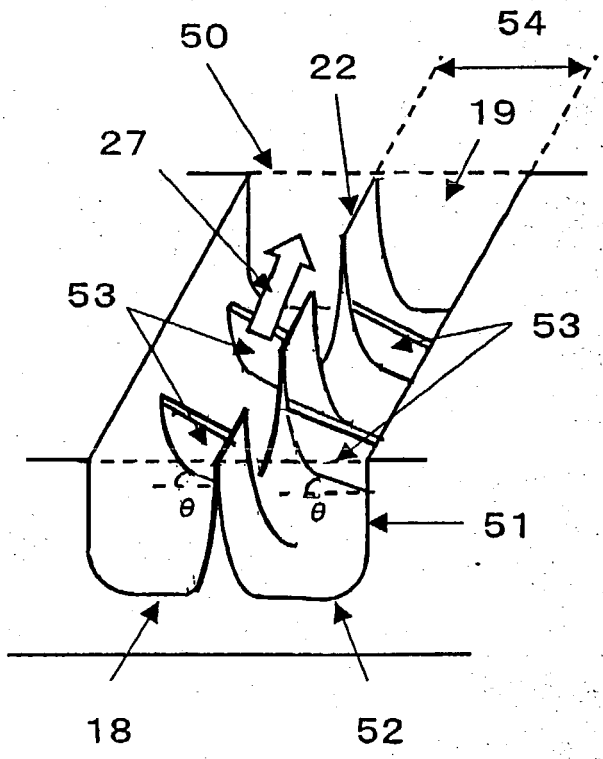


Fig. 12(d)

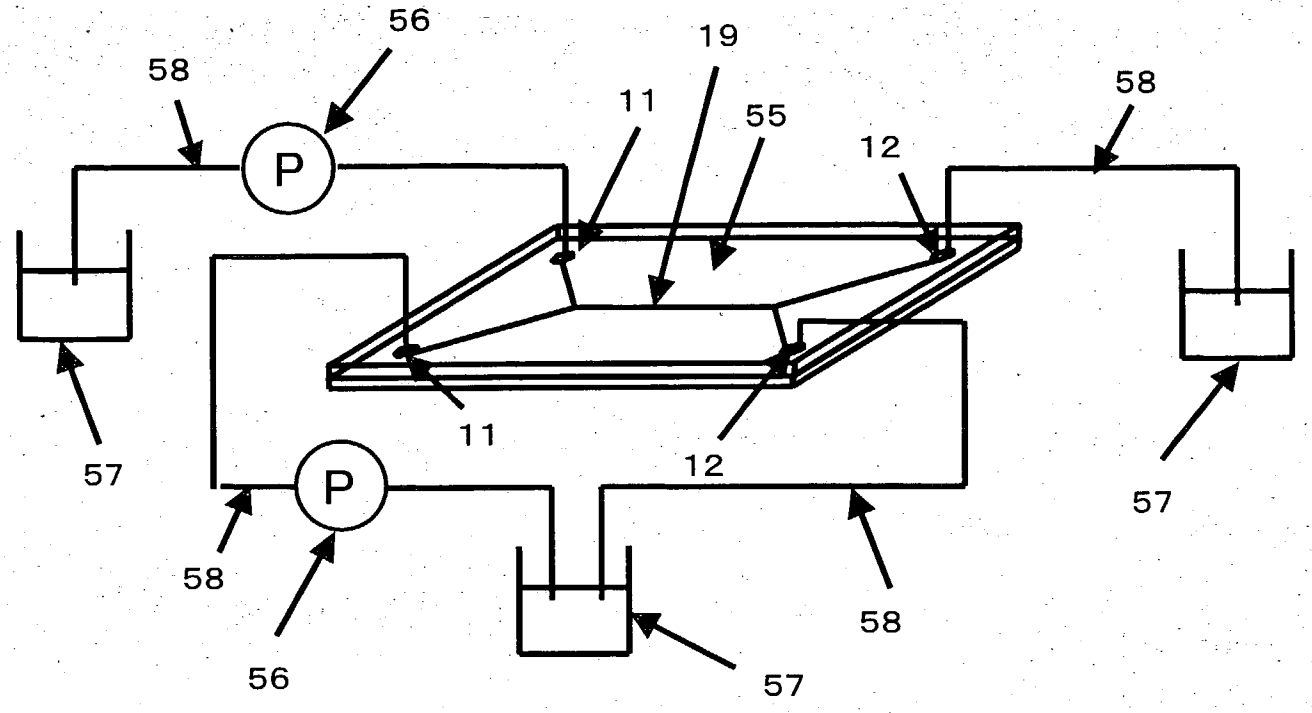


Fig. 13(a)

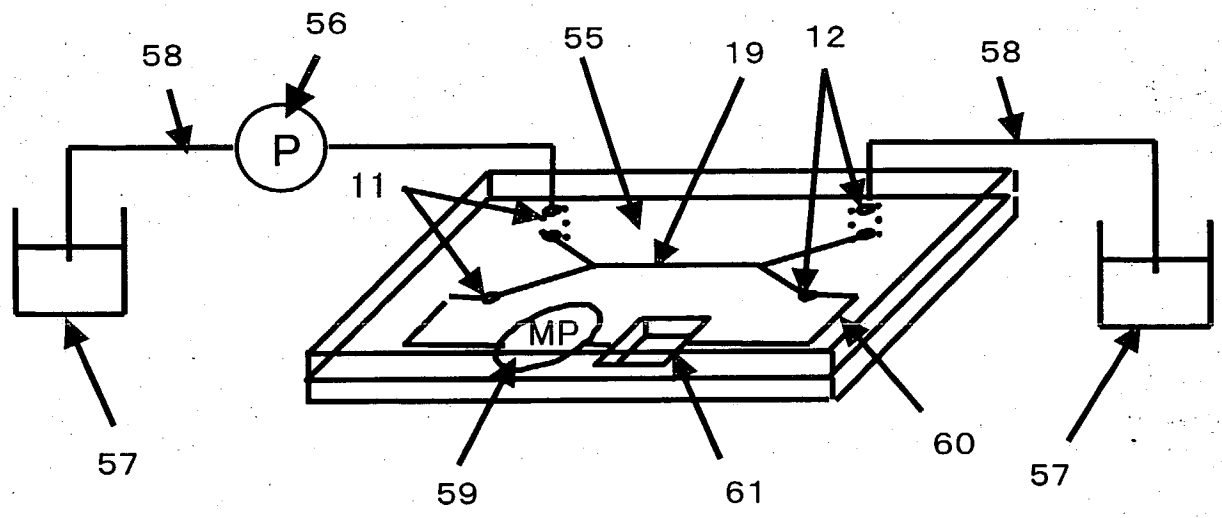


Fig. 13(b)

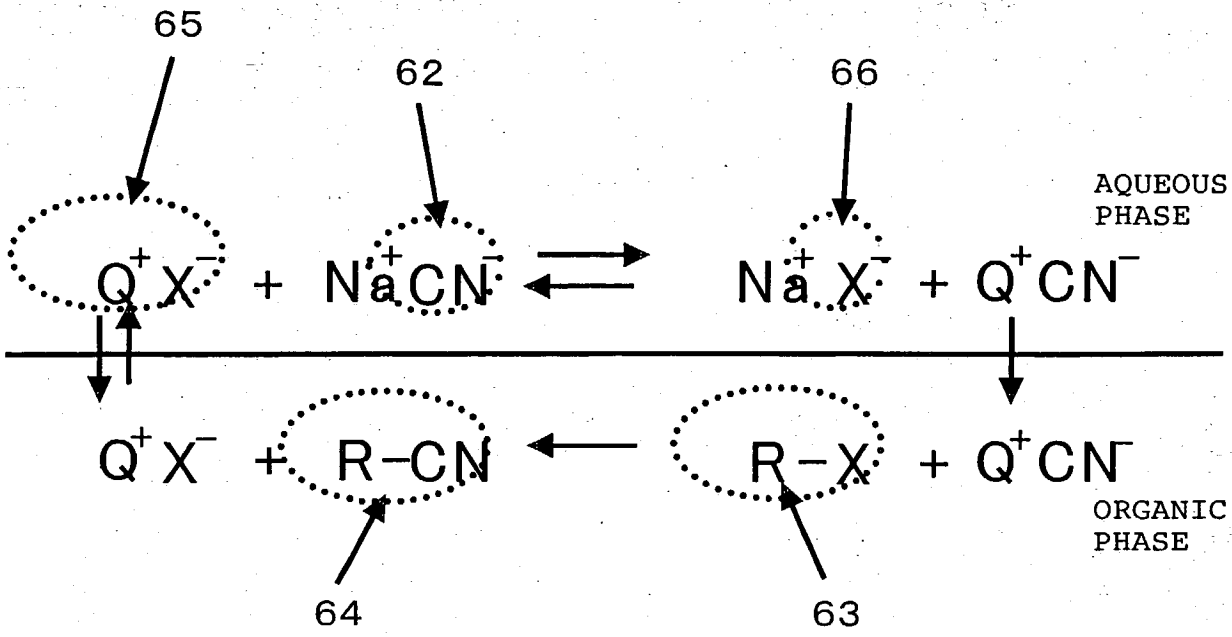
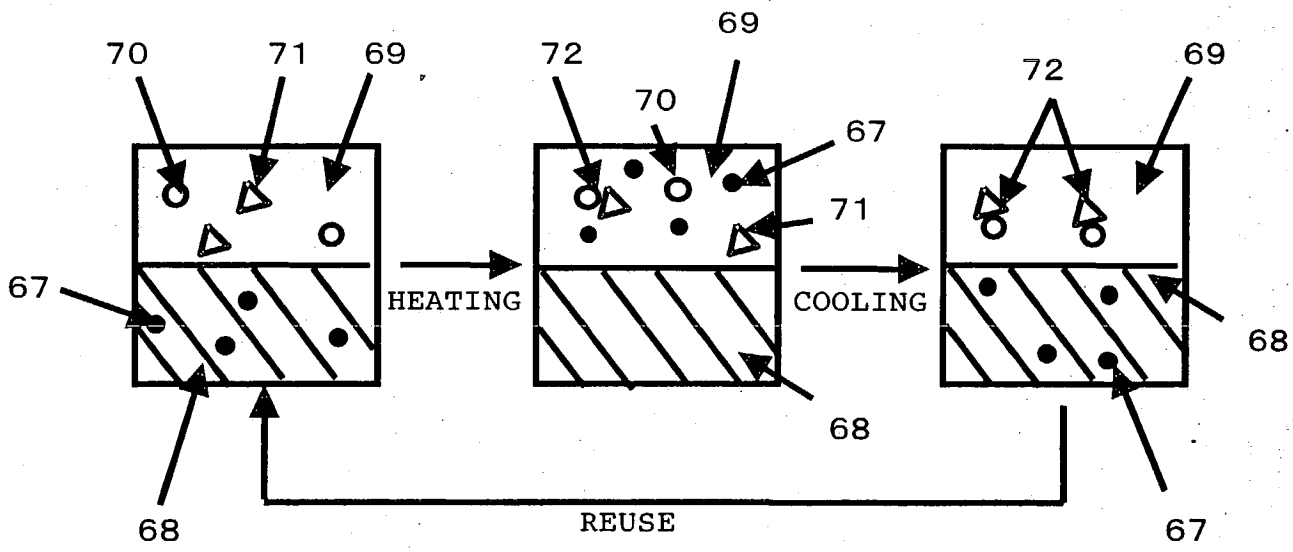

65
62
66
AQUEOUS PHASE
Q^+X^- + $NaCN$ ⇌ NaX + Q^+CN^-
Q^+X^- + R−CN ← R−X + Q^+CN^-
ORGANIC PHASE
64
63

Fig. 14


70
71
69
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70
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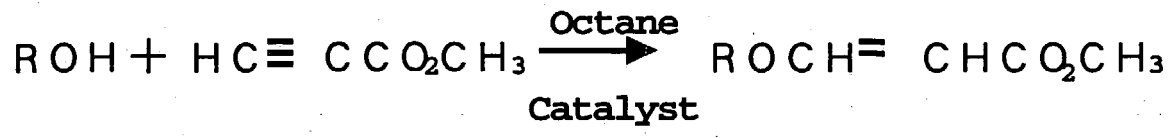
67
HEATING
COOLING
68
68
REUSE
67

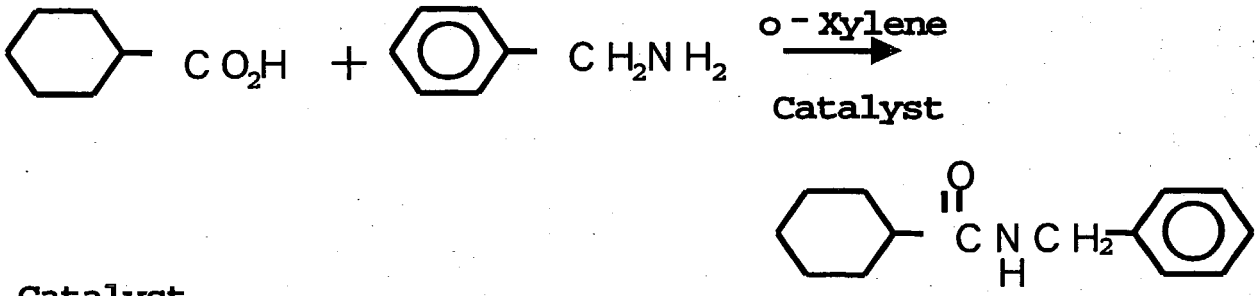
Fig. 15

Gladysz reaction



Catalyst $P[CH_2CH_2(CF_2)_7CF_3]_3$

Yamamoto reaction



Catalyst

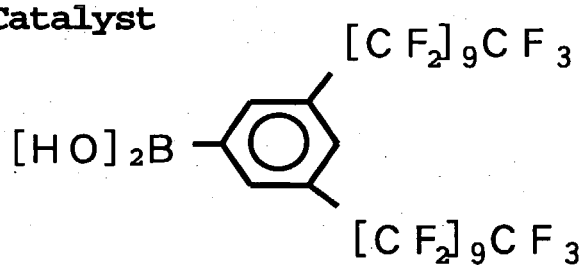
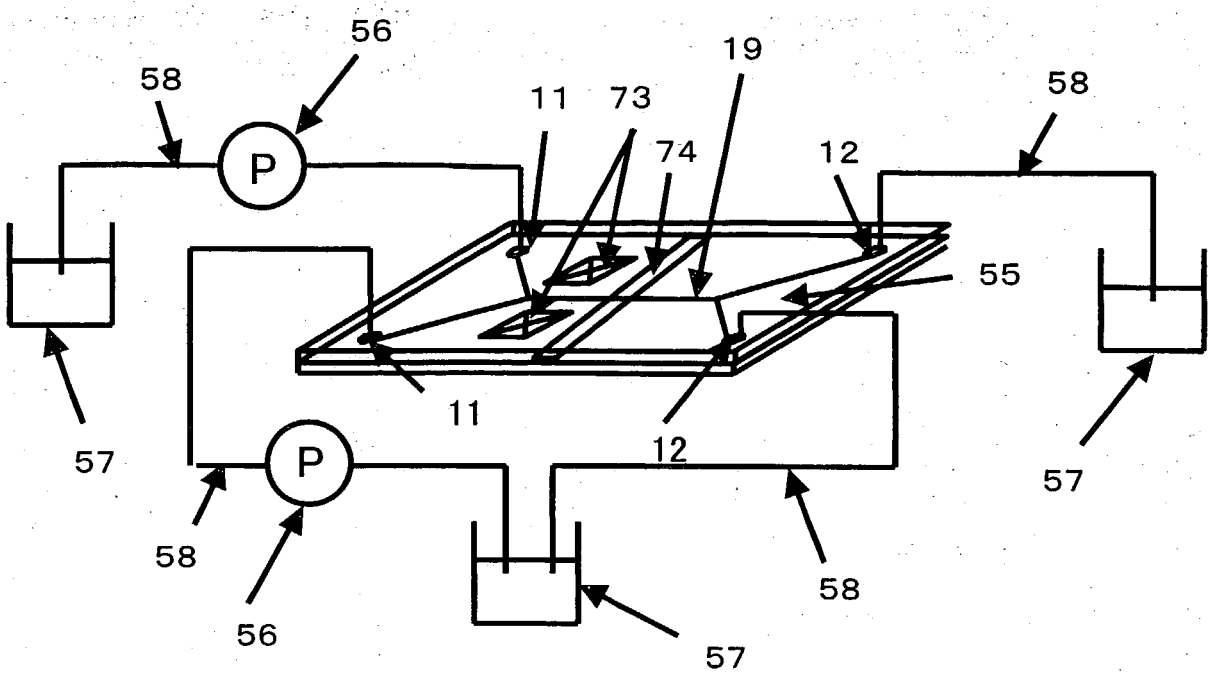


Fig. 16


56
58
19
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73
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74
12
P
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57

Fig. 17

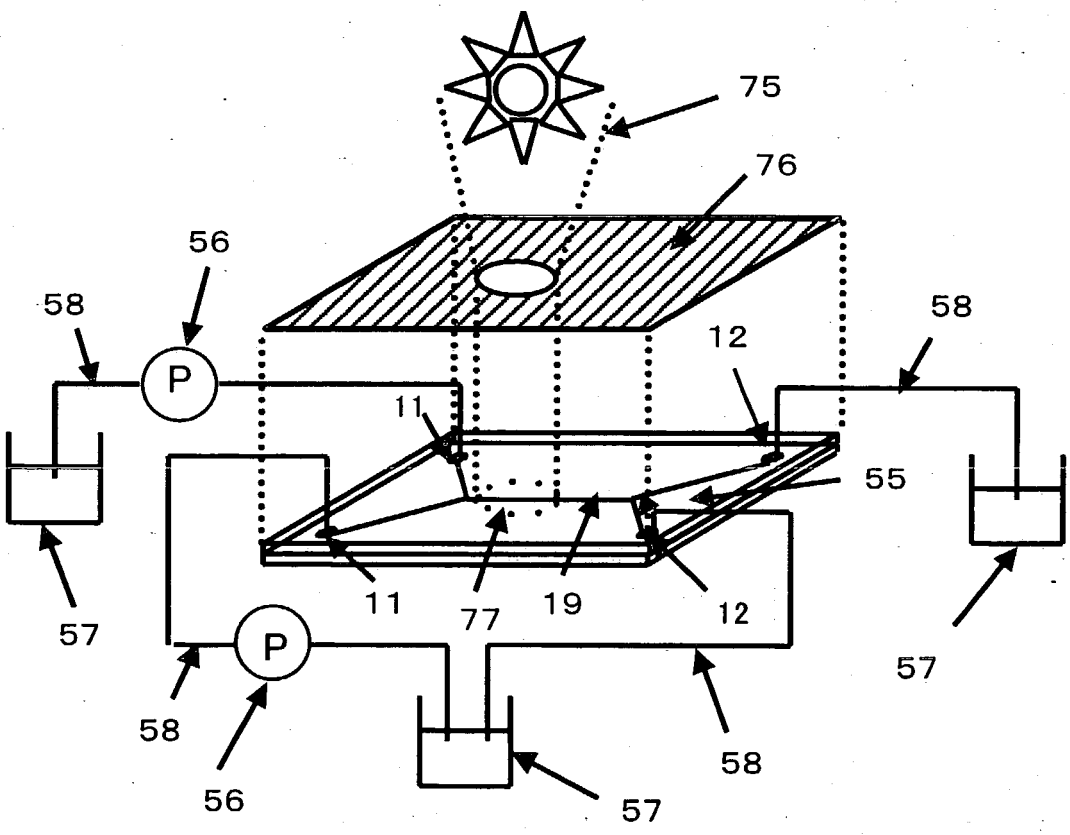
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Fig. 18

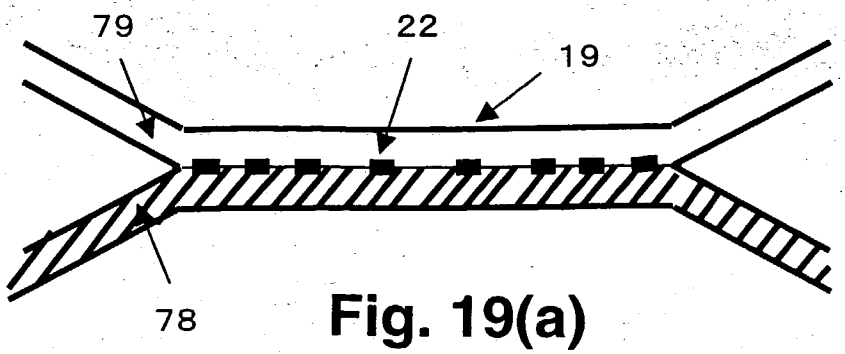

Fig. 19(a)

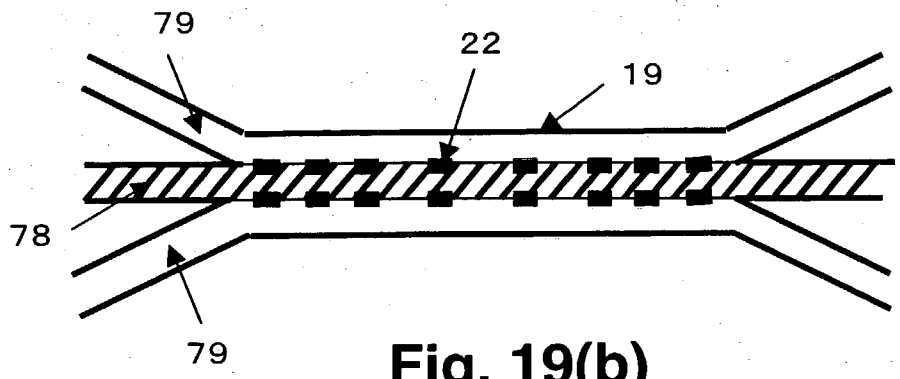

Fig. 19(b)

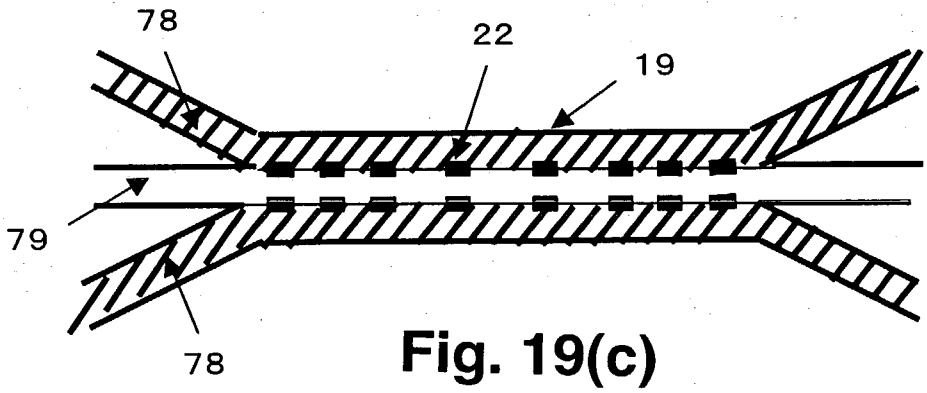

Fig. 19(c)

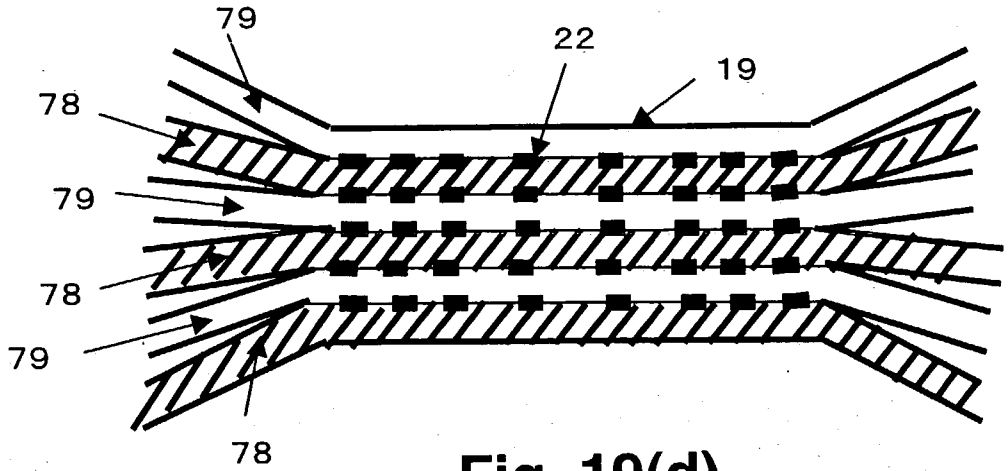

Fig. 19(d)

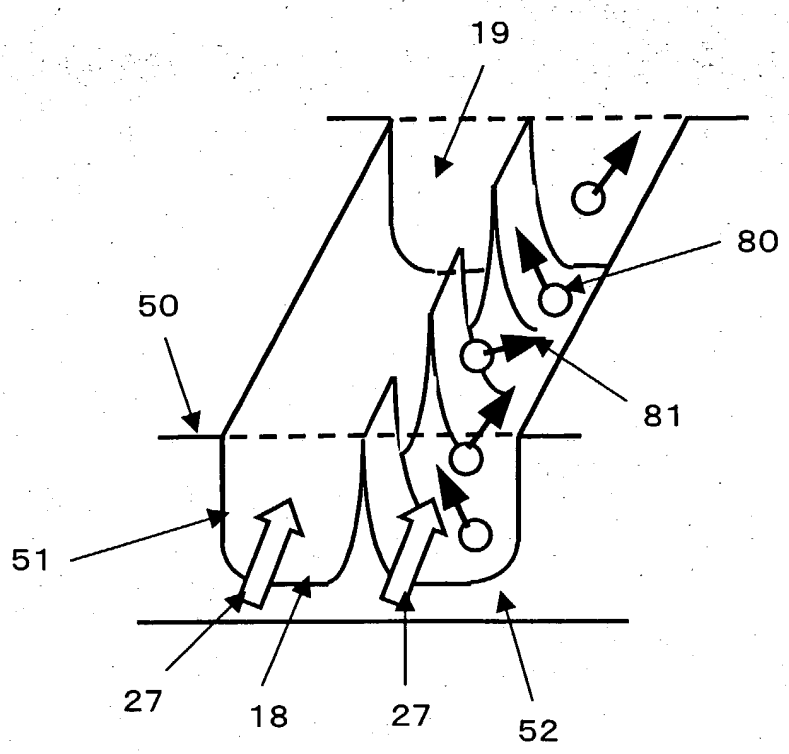

Fig. 20

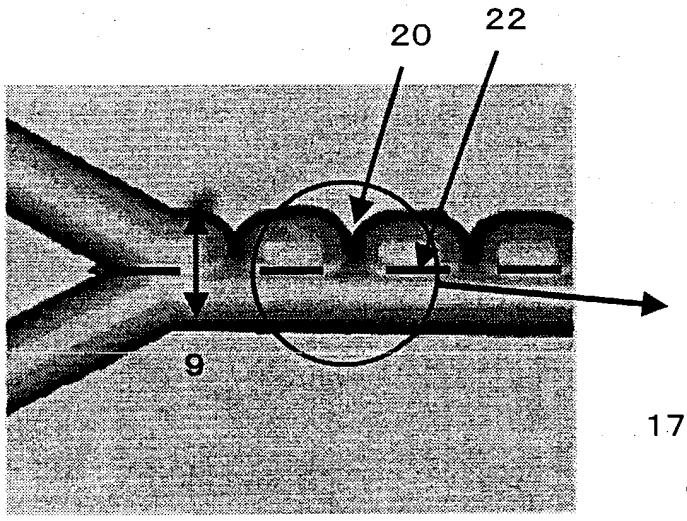

Fig. 21(a)

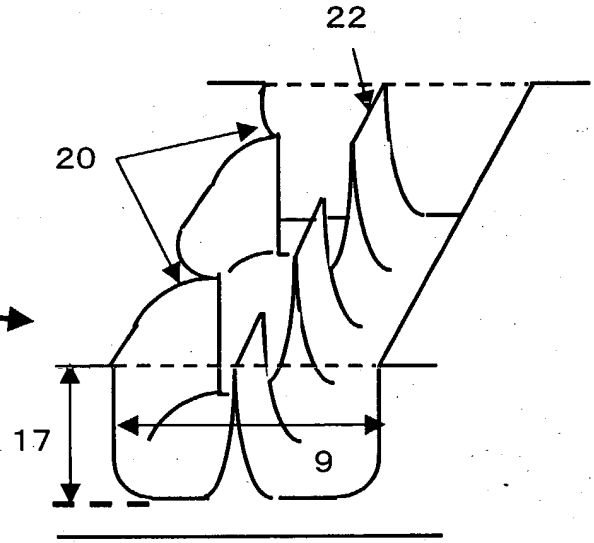

Fig. 21(b)

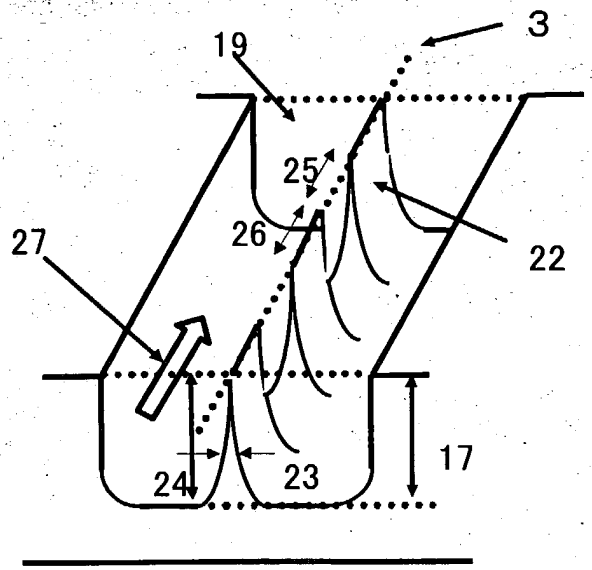

Fig. 22(a)

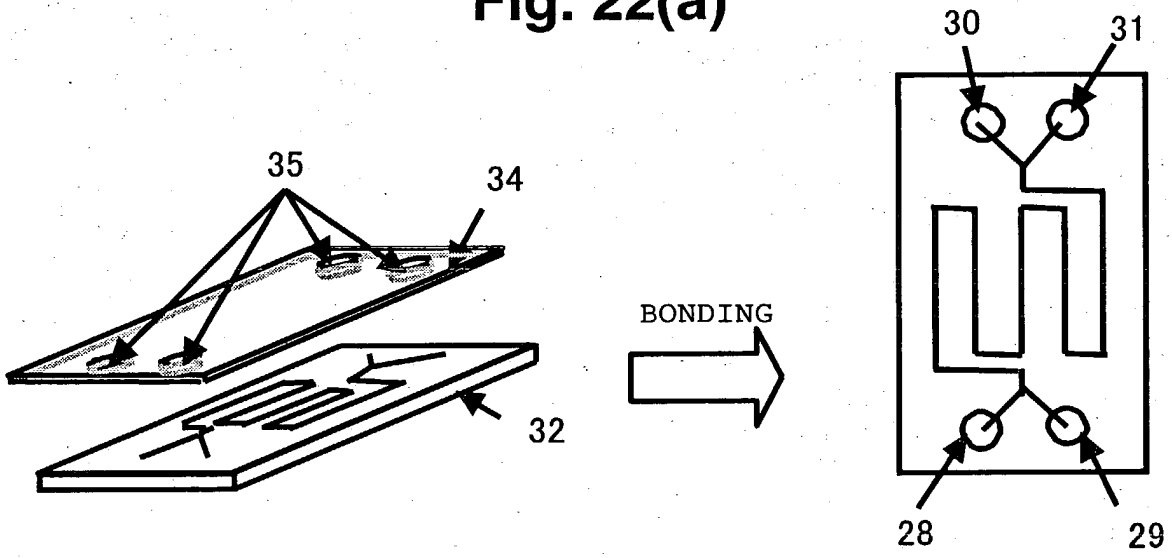

Fig. 22(b)